

6P 1634

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Dean L. Engelhardt et al.

Serial No. 08/486,069 Group Art Unit: 1634

Filed: June 7, 1995 Examiner: Ardin H. Marschel, Ph.D.

Title: *RECEIVED  
MAY 11 1999*  
PROCESS FOR NUCLEIC ACID HYBRIDIZATION  
DETECTION, NUCLEIC ACID SEQUENCING AND  
CHROMOSOMAL CHARACTERIZATION (As Amended)

**FILED BY EXPRESS MAIL**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D. C. 20231

Sir:

Transmitted herewith is Applicants' Fifth Supplemental Amendment (Following Applicants' May 1, 1999 Fourth Supplemental Amendment, Their March 29, 1999 Third Supplemental Amendment, Their February 2, 1999 Second Supplemental Amendment, Their July 24, 1998 Supplemental Response And Their July 6, 1998 Amendment Under 37 C.F.R. § 1.116 in the above-identified patent application.

The fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total	249	Minus	249	=0	X18.00 \$ 0
indep	3	Minus	0	-0	X78.00 \$ 0
( )	First Presentation of Multiple Dependent Claims			+270.00	\$ 0
	<b>TOTAL ADDITIONAL FEE</b>				<b>\$ 0</b>

( ) Charge Deposit Account No. 05-1135 in the amount of \$0.00

( ) A check in the amount of \$\_\_\_\_\_ is attached.

(X) The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 05-1135 any filing fees under 37 C.F.R. §1.16 for the presentation of extra claims and any patent application processing fees under 37 C.F.R. §1.17.

Copies are being provided in triplicate.

Also enclosed: N/A

Respectfully submitted,



Ronald C. Fedus

Registration No. 32,567

Attorney for Applicant(s)

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Attorney's Docket No.: Enz-5(D8)(C2)

MAY 7 99

EXPRESS MAIL CERTIFICATE	
"Express Mail" Label No. EL369155464US	
Deposit Date	MAY 7, 1999
I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington DC 20231	
Ronald C. Fedus	Date
Reg. No. 32,567	

**IN THE UNITED STATES PATENT AND TRADE MARK OFFICE**

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Applicant(s): Engelhardt et al. )  
Serial No.: 08:486,069 ) Group Art Unit: 1634  
Filed: June 7, 1995 ) Examiner: Ardin H. Marschel, Ph.D.  
For: PROCESSES FOR NUCLEIC ACID )  
HYBRIDIZATION DETECTION NUCLEIC ACID SEQUENCING AND CHROMOSOMAL )  
CHARACTERIZATION (As Amended) )

527 Madison Avenue (9<sup>th</sup> Floor)  
New York, New York 10022  
May 7, 1999

**FILED BY EXPRESS MAIL**

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

FIFTH SUPPLEMENTAL AMENDMENT  
(FOLLOWING APPLICANTS' MAY 1, 1999 FOURTH SUPPLEMENTAL  
AMENDMENT, THEIR MARCH 29, 1999 THIRD SUPPLEMENTAL  
AMENDMENT, THEIR FEBRUARY 2, 1999 SECOND SUPPLEMENTAL  
AMENDMENT, THEIR JULY 24, 1998 SUPPLEMENTAL RESPONSE AND  
THEIR JULY 6, 1998 AMENDMENT UNDER 37 C.F.R. §1.116)

Dear Sirs:

In connection with their above-identified application, Applicants are submitting this Fifth Supplemental Amendment which follows their May 1, 1999 Fourth Supplemental Amendment.. No fee is believed due for this Fifth Supplemental Amendment, a Request For An Extension Of Time (3 months) and extension fee having been filed and authorized concurrently with Applicants' July 6, 1998 Amendment Under 37 C.F.R. §1.116.

**EXPRESS MAIL CERTIFICATE**

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"Express Mail" Label No. EL369155464US

Deposit Date May 7, 1999

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 Trademarks, Washington DC 20231.



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Ronald C. Fedus

Reg. No. 32,567

MAY 7 99

Date